Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Tuesday 17 Jan 2023 until 23:59 on Wednesday 18 Jan 2023

Forecast Issued on Tuesday 17 Jan 2023 at 02:12

Confidence: High for staying cold but mainly dry for several days, medium for any snow showers and lower for the timing of a change to milder conditions and rain at the end of the week or the weekend.

Headline for Tuesday 17 Jan 2023: Mainly dry with some sunny spells, chance of a few snow showers late afternoon and evening. Very cold northwesterly winds on the tops.

Mountain weather hazards on Tuesday 17 Jan 2023

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Medium Likelihood

Heavy persistent rain
No Likelihood

Storm force winds
No Likelihood

Poor visibility
Low Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Sunny	Sunny intervals	Light snow	Light snow showers (night)	Light snow showers (night)
Precipitation probability					
<05%	10%	20%	20%	30%	30%

Forecast for Tuesday 17 Jan 2023

Weather: Mostly dry with clear or sunny spells. Increasing chance of snow showers from mid afternoon but more especially in the evening with perhaps one or two heavy ones, most likely over southwestern fells.

Chance of cloud-free hill tops above 800m: 80% falling 30% in the evening.

Low cloud and visibility: Generally small amounts of low cloud overnight and in the morning, patchy above 750m, with very good visibility away from that. Broken cloud at 750m developing in the afternoon with visibility falling poor in any heavier snow showers in the evening with areas of cloud at 500-600m giving very poor summit visibility.

Check our weather forecast every day to get the most accurate and up to date information
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Mountain Weather Forecast

Forecast for Tuesday 17 Jan 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	16/19 N	18/21 W	18/22 NW	21/26 NW	25/31 W	24/30 NW	27/34 NW
600	10/14 NW	12/17 W	13/18 NW	18/24 NW	20/29 W	20/27 W	20/29 NW
300	3/14 NW	4/15 NW	6/17 NW	8/20 NW	7/22 NW	9/23 NW	8/24 NW
Valley	1/10 N	3/13 NW	6/16 NW	8/19 NW	8/22 NW	10/23 NW	9/24 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-6/-14	-6/-14	-5/-13	-5/-13	-5/-14	-5/-13	-5/-14
600	-4/-10	-4/-10	-3/-9	-3/-10	-3/-11	-3/-10	-3/-10
300	-3/-5	-3/-5	-0/-3	-0/-4	-1/-5	-1/-5	-1/-5
Valley	-0/-2	0/-2	3/-0	2/-1	2/-2	2/-3	2/-2
Freezing Level*	00m	00m	200m	200m	100m	200m	200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Note the very low feels like temperatures despite relatively gentle winds. There will be strong sun glare off lying snow so appropriate goggles or sunglasses are recommended.

Forecast for Wednesday 18 Jan 2023

Weather: Any snow showers in early hours clearing to leave a dry day with sunny periods.

Maximum wind: Northwesterly 30mph gusts 40mph with a severe wind chill

Chance of cloud-free hill tops above 800m: 30% early hours rising 80% or more by daybreak.

Low cloud and visibility: In showers in early hours occasionally down to 500-600m with poor visibility underneath the cloud in the showers, becoming generally very good through daylight hours.

Temperature: **Valleys:** Minus 2 Celsius rising to Plus 2 at best in the afternoon falling to Minus 3 in the evening.
At 800m: Minus 6 Celsius
Freezing level: All levels rising to 200m for a time in the afternoon.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Monday 16 January, Location: Helvellyn summit at 14:30. Full report: Despite plenty of sunshine it was a bitterly cold day on the fells with a summit wind chill of -18C. Overnight fresh snow settled down to valley level and while there was some thawing on southerly slopes below 600m the majority of the Lakes still has a good covering. Paths at all levels were icy especially where the snow had been compressed by walkers feet. The new snow was being rapidly redistributed onto southerly aspects by a fresh to strong northerly wind. Above 600m in many areas it was lying on old refrozen snow and areas of soft wind slab were developing. Drifts were up to thigh deep but more generally boot to calf height. Goggles were useful to be able to see through the clouds of spindrift that were pouring off the ridges and summits. There was a lot of local variation in wind speed and direction caused by the mountain topography meaning there were areas of deep drifts and soft windslab on all aspects. Unstable cornices were being rapidly formed and eroded as the wind varied. Please continue to give these a wide berth and advise others with less experience to do likewise. Microspikes and trekking poles are currently extremely useful at all altitudes including for valley walks. Above 600m and on exposed and steep terrain, including on Striding and Swirral Edges, crampons and an ice axe are essential. Full winter clothing and equipment including plenty of warm and waterproof layers, hats, gloves, goggles, map & compass and a headtorch are also essential. Summit temperatures of -7C with -18 degrees of windchill mean that any enforced stop will very quickly become a serious situation without the correct clothing. Temperature: minus 7.0C, Maximum wind speed 32.2mph, Wind chill: minus 18.3C, Average wind speed: 13.6mph.

Issued at: 02:12 on Tue 17 Jan 2023

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